Natco Structural Clay Tile

SINCE 1889

NATCO

CLAY PRODUCTS

NATCO PRODUCTS INDEX

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National Fireproofing Corporation

202 East Ohio Street Pittsburgh 12, Pa.

NATCO MODULAR FACING TILE

Ceramic Glazed Vitritile—8W Series

Nominal Face Size
8" x 16"

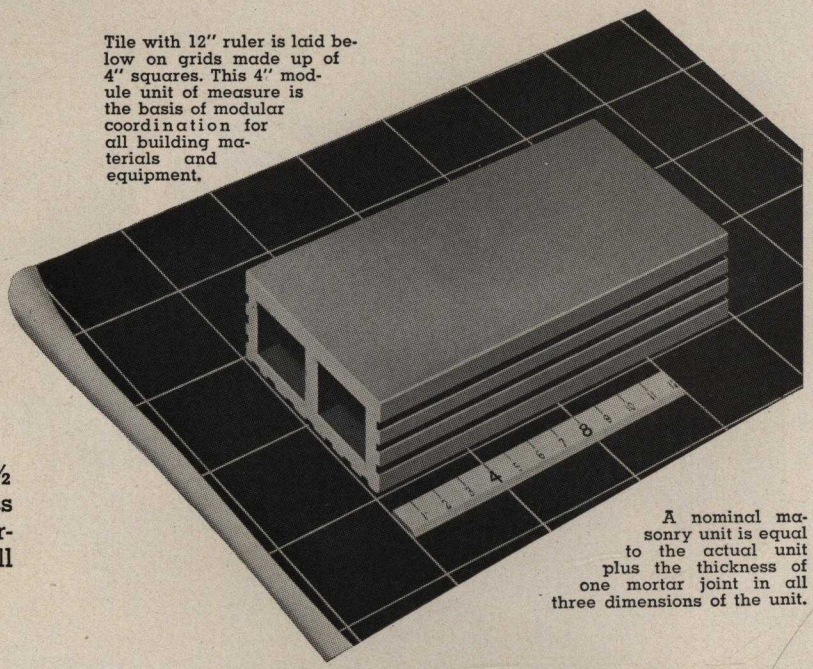
Tile Face Size
7¾" x 15¾"

GROUND EDGES

Demands for narrow mortar joints and job specifications calling for a uniform size tile with true and square edges are met by grinding to size and shape after burning. Modern Natco grinding equipment assures quality.

FEATURES

Mottled and plain colors. Equivalent to 6½ standard brick. Nominal 4 inch wall thickness—also in 2 inch thickness for furring. Furnished select one face. A large structural wall unit with an artistic ceramic glazed face.

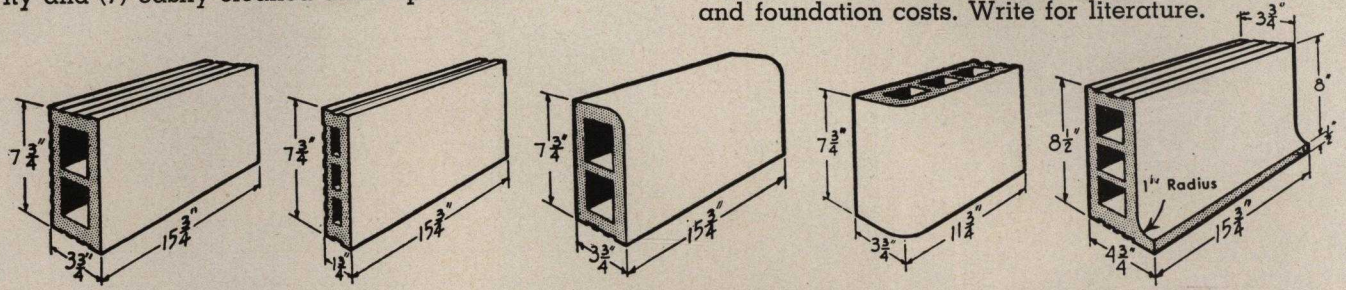


Tile with 12" ruler is laid below on grids made up of 4" squares. This 4" module unit of measure is the basis of modular coordination for all building materials and equipment.

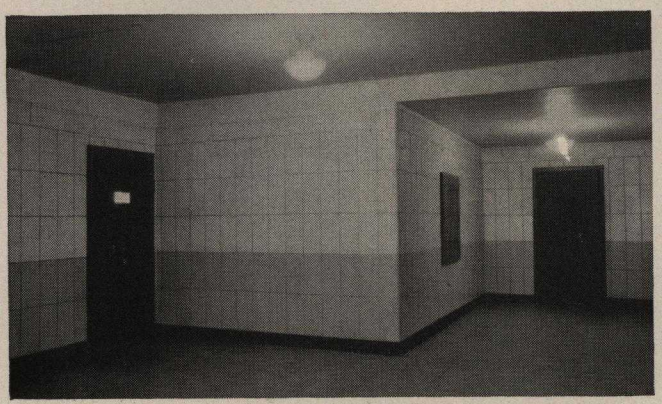
A nominal masonry unit is equal to the actual unit plus the thickness of one mortar joint in all three dimensions of the unit.

A few of the many advantages of Natco Modular Facing Tile, Ceramic Glazed Vitritile, 8W series, are the following—(1) sized for uniformity, (2) pleasing architectural effects, (3) attractive colors and textures, (4) mottled and plain effects, (5) larger units, fewer mortar joints, (6) modular design for greater flexibility and (7) easily cleaned and kept clean.

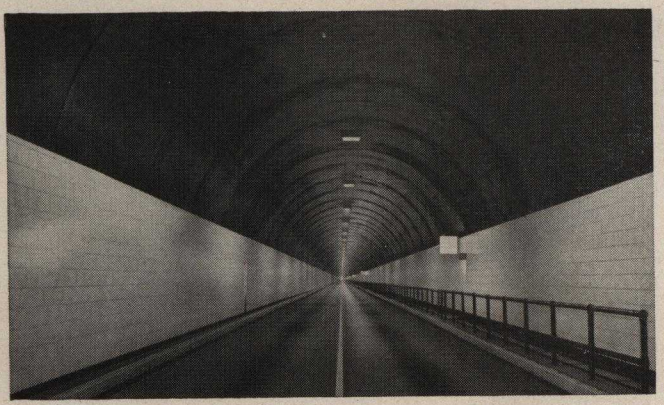
With Natco Modular Facing Tile walls, there is definite assurance of freedom from plastering, maintenance and repair bills. First cost really means last cost. Scientifically designed to offer maximum strength with minimum weight, Natco Modular Facing Tile is a true load bearing unit which effects savings in dead load with consequent reductions in steel and foundation costs. Write for literature.



Typical shape details, Natco Modular Facing Tile (Ceramic Glazed Vitritile)—8W series. For complete line of shapes, see Facing Tile Institute catalog in this section.



Natco Modular Facing Tile, 8W series Vitritile, in corridor of Winnebago County Court House, Oshkosh, Wisconsin, Granger and Bollenbacker, Architects.



One of two tubes, 1¼ miles long, in Liberty Vehicle Tunnel, Pittsburgh, Pa., lined with 8W series Vitritile, Mellon, Stuart Company, Contractors.

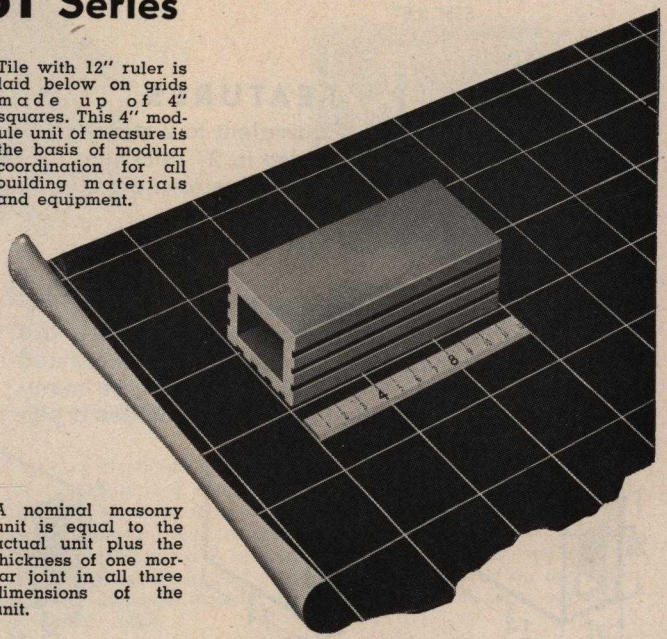
NATCO MODULAR FACING TILE

Ceramic, Salt and Clear Glazes

Vitritile 6T Series

Nominal Face Size
5⅓" x 12"

Tile Face Size
$5\frac{1}{16}$" x 11¾"



Tile with 12" ruler is laid below on grids made up of 4" squares. This 4" module unit of measure is the basis of modular coordination for all building materials and equipment.

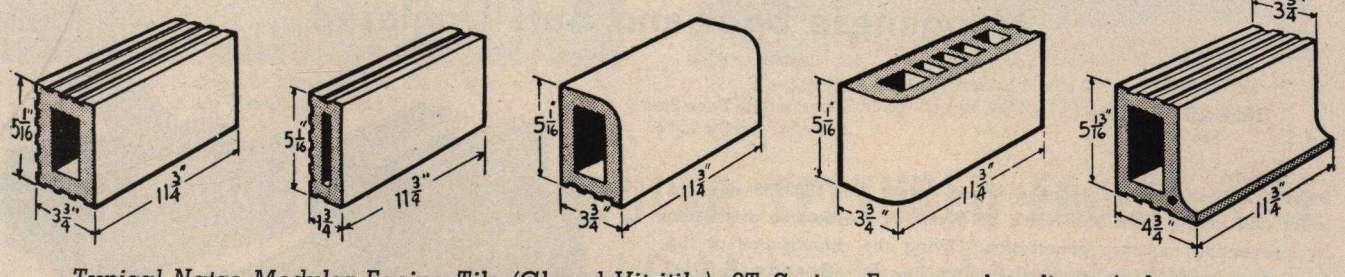
A nominal masonry unit is equal to the actual unit plus the thickness of one mortar joint in all three dimensions of the unit.

FEATURES

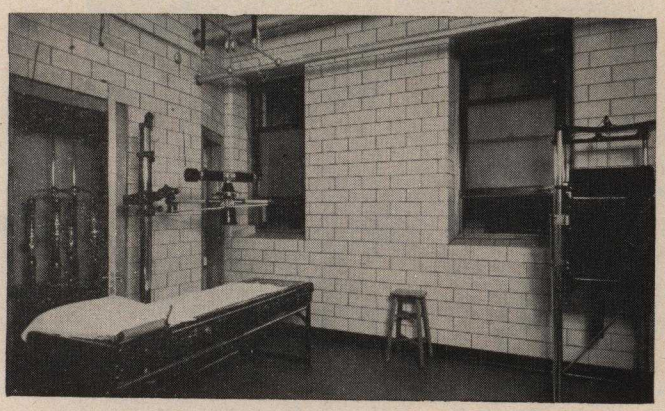
Mottled and plain colors. Equivalent to 3 standard brick. Nominal 4", 6" and 8" wall thicknesses, also in 2" thickness for furring. Usually furnished select one face, four inch stretchers can be furnished select two faces. Natco Ceramic Glazed Vitritile, 6T Series, is preferred by many architects, contractors and builders by reason of its adaptability in interior walls of all kinds.

All of the different types of Natco Modular Facing Tile (Vitritile) are made of selected, de-aired fire clay. The most modern equipment and methods are used to guarantee the utmost in appearance, mechanical quality and loadbearing strength. The ceramic glazes used are of the highest quality. They are high-fired, that is, burned at temperatures of approximately 2000 degrees Fahrenheit. The mingled tones in ceramic, salt and clear glazes produce wall surfaces that add greatly to the character and distinction of any building where used.

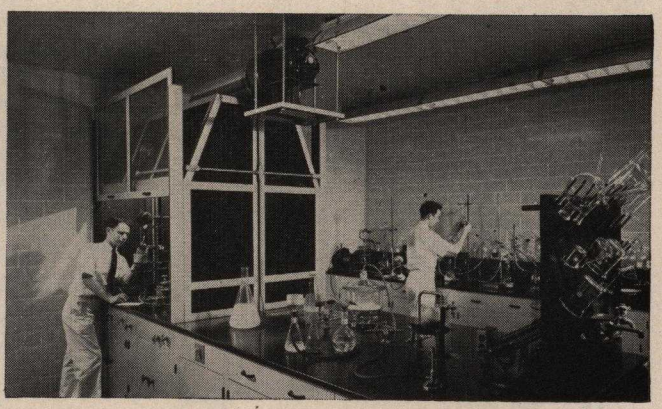
With walls of Natco Modular Facing Tile (Vitritile), there is definite assurance of freedom from future maintenance, plastering and repair bills. First cost really means last cost. Scientifically designed to offer maximum strength with minimum weight, all Vitritile units are true loadbearing units which effect savings in dead load, with consequent reductions in steel and foundation costs. Proof against fire, the large comparatively light Vitritile units are also quickly handled and laid. With each tile laid, a portion of finished wall is put in place. Write for literature.



Typical Natco Modular Facing Tile (Glazed Vitritile), 6T Series. For complete line of shapes, see Facing Tile Institute Catalog in this section.



Natco Ceramic Glazed Vitritile, 6T Series as used in X-Ray Room of St. Francis Hospital in Pittsburgh. Private plans.



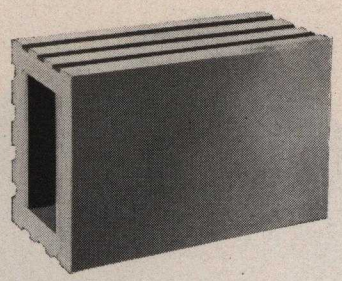
Laboratory of L. D. Searle Company, Skokie, Illinois. Herbert Banse, Chicago, Ill., Architect. Natco Ceramic Glazed Vitritile, 6T Series used.

NATCO MODULAR FACING TILE

Ceramic Glazed Vitritile—4T Series

Nominal Face Size
5⅓" x 8"

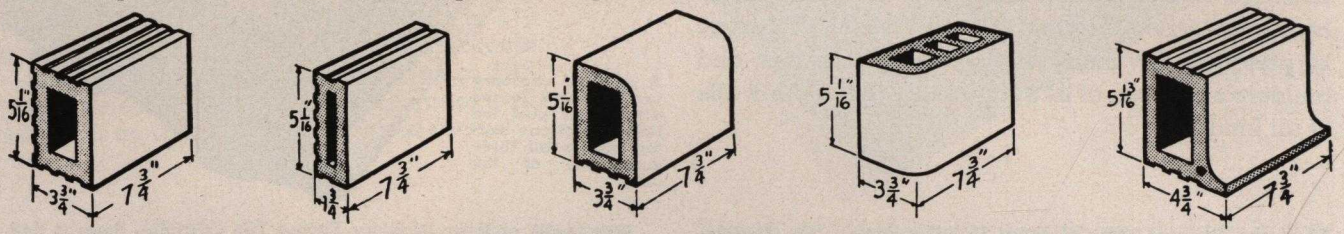
Tile Face Size
5 1/16" x 7¾"



FEATURES

Mottled and plain colors. Equivalent to 2 standard brick. Nominal 4, 6" and 8" wall thicknesses, also in 2" thickness for furring. Usually furnished select one face, four inch stretchers can be supplied select two faces.

Summarizing the advantages of Natco Modular Facing Tile (Vitritile), the most important, possibly, are the unlimited possibilities as to interior treatment and color schemes available, in that there are so many colors in plain and mottled effects. It provides a permanent and sanitary lining that will require no maintenance cost during the life of the building and the initial cost is no greater than many other materials that do not have the same sanitary and structural qualities. Write for literature.



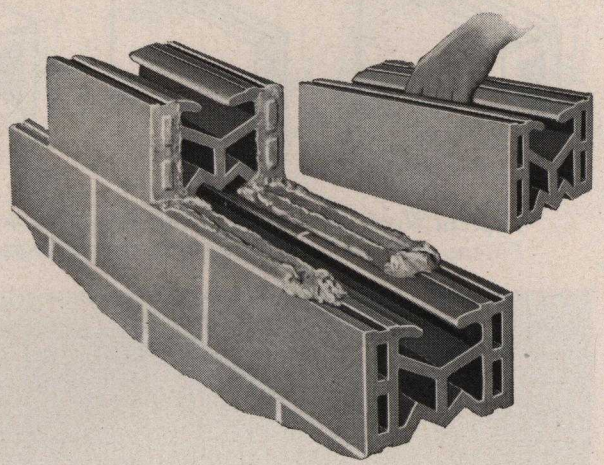
Typical shape details, Natco Facing Tile (Vitritile), 4T Series. For complete line of shapes available, see Facing Tile Institute Catalog in this section.

NATCO MODULAR UNGLAZED FACING TILE

Manganese Spot and Buff Unglazed

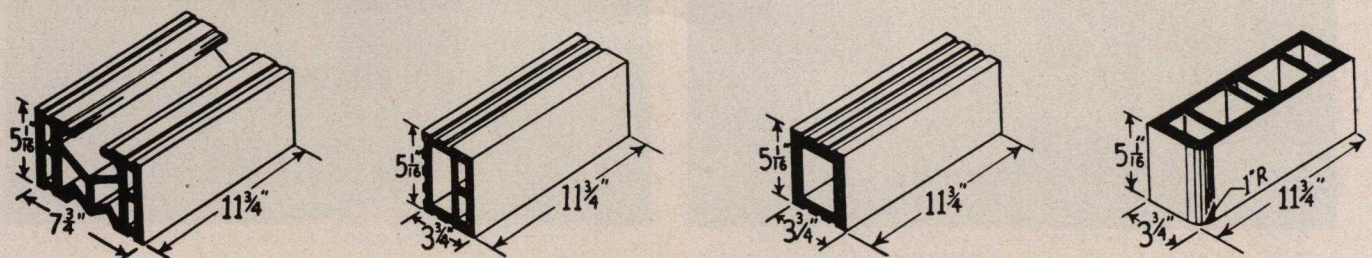
Nominal Face Size
5⅓" x 12"

Tile Face Size
5 1/16" x 11¾"



Smooth built-in handles licensed under Patent No. 1803158 save in labor and laying time. The Natco Dri-Wall feature insures dry walls by preventing moisture penetration. Giving the appearance of the finest face brick, Natco Modular Facing Tile (**Dri-Speedwall Tile**) costs much less in the completed wall. Colors and finishes are as enduring as the tile itself. No interior plaster or exterior stucco is required—one unit lays up a complete wall section.

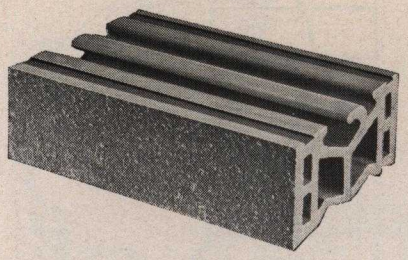
The finished walls are permanently attractive in appearance, will not shrink or crack and will be free from future painting and repairs. From both an appearance and practical standpoint, Natco Modular Facing Tile (**Dri-Speedwall Tile**) is ideal for store, factory, mill, mine and railroad buildings and residential group housing projects where cost of construction and speedy erection are important factors.



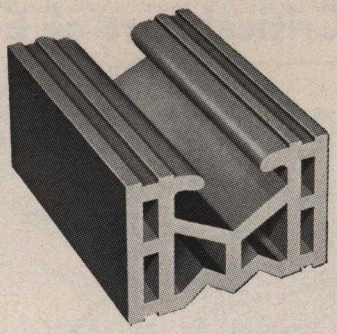
Typical shape details Natco Modular Facing Tile (Dri-Speedwall Tile) Manganese Spot and Buff Unglazed Finishes. For complete line of shapes, write our nearest branch office.

NATCO MODULAR TEXTURED FACING TILE

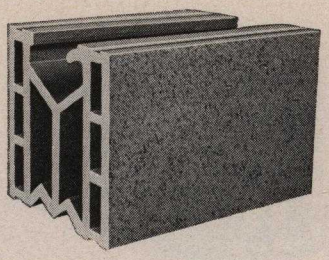
In Attractive, Permanent Red Textured Shades



Tex 80-Tex Dri Wall Tile
Nominal Dimensions
8" x 4" x 12"



8512 Dri-Speedwall Tile
Nominal Dimensions
8" x 5⅓" x 12"



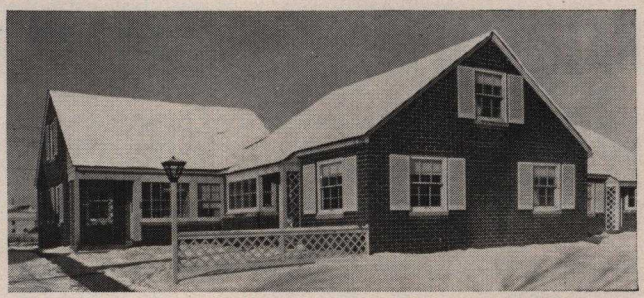
8812 Dri-Speedwall Tile
Nominal Dimensions
8" x 8" x 12"

A nominal masonry unit is equal to the actual unit, plus the thickness of one mortar joint on all three dimensions of the unit.

Walls of Natco Unglazed Modular Textured Facing Tile are insulated against rapid changes in temperature. The widely separated mortar joints resist moisture penetration. The smooth built-in handles permit quick and easy laying with no cut fingers or abrasions. One hand for the tile—the other for the trowel. With every tile laid a complete section of wall is put in place.

There is no moisture penetration through the wall, due to the Natco Dri-Wall Feature. Natco Unglazed Modular Textured Facing Tile is termite and vermin-proof. It cannot disintegrate or decay. Made of clay burned to over 2000 degrees Fahrenheit, Natco Unglazed Modular Textured Facing Tile is obviously fire resistant. With its small number of easily handled shapes in any size, it appeals to every builder. For complete information on any type of Natco Unglazed Modular Textured Facing Tile, write our nearest branch office.

Al Wagner Garage in Youngstown, Ohio, with walls of Natco Modular Textured Facing Tile.



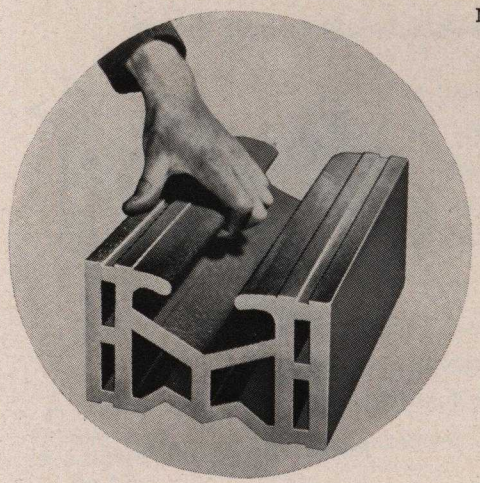
Double House with walls of Natco Unglazed Modular Textured Facing Tile in White Fish Bay, Milwaukee, Wisconsin.

NATCO SALT GLAZED MODULAR TEXTURED FACING TILE

An impervious salt glazed finish in mingled tan shades

8512 Dri-Speedwall Tile
Nominal Dimensions
8" x 5⅓" x 12"

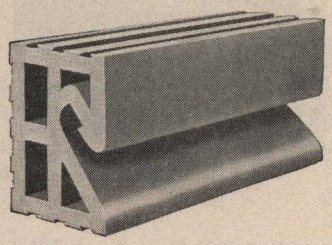
A nominal masonry unit is equal to the actual unit, plus the thickness of one mortar joint on all three dimensions of the unit.



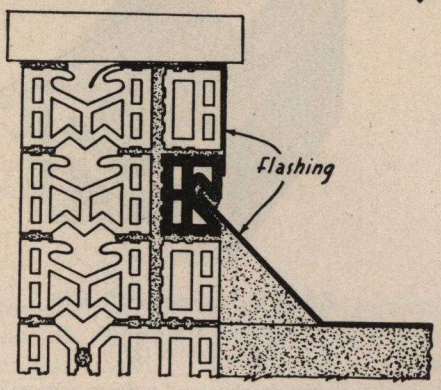
Natco Salt Glazed Modular Textured Facing Tile (Dri-Speedwall Tile) is especially preferred for exterior and interior walls of garages, auto service and filling stations, milk houses, barns, hog, poultry and other kind of farm buildings, dairy buildings, food product plants, chemical plants and all other types of industrial and commercial buildings. By reason of the speed handle, walls of the material are erected much more quickly and easily than walls of ordinary masonry materials. For complete information on Natco Salt Glazed Modular Textured Facing Tile, write our nearest branch office.

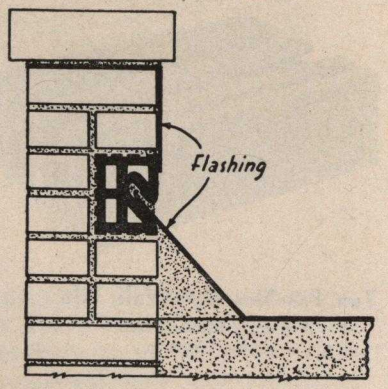
NATCO MODULAR RAGGLE BLOCKS
also called NATCO FLASHING TILE

For the Critical Part of Every Roof



Nominal Dimensions
4" x 5⅓" x 12"





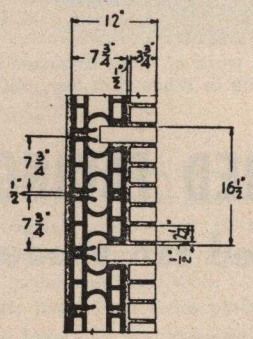
Natco Raggle Blocks, when laid in place, provide a perfect seal and become an integral part of the parapet wall or other intersecting surface. When properly installed with properly designed flashing, water positively cannot seep through or down the wall and go under the roofing and cause dampness.

Natco Raggle Blocks are furnished in red shades in nominal 12" lengths. Corners, both internal and external, are formed by means of standard mitered sections. Write for literature.

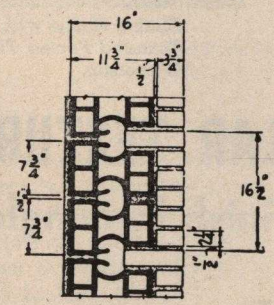
NATCO SPEED-A-BACKER TILE FOR BACKING BRICK WALLS

Wall Section Details

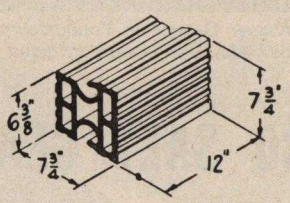
Showing Perfect Mechanical Bond Every Sixth Brick Course (½" Brick Mortar Joints)



12" Wall Section
8" Speed-A-Backer with
Face Brick Exterior



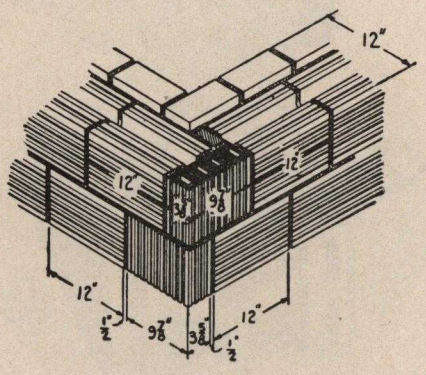
16" Wall Section
12" Speed-A-Backer with
Face Brick Exterior



8" Scored Stretcher. Also furnished in 7⅜" height for use where necessary.

The above wall section details show the various standard thicknesses of Natco Speed-A-Backer tile laid in combination with 3¾" Face Brick with ½" brick mortar joints. Natco Speed-A-Backer Tile is also furnished for use with ⅜" brick mortar joints.

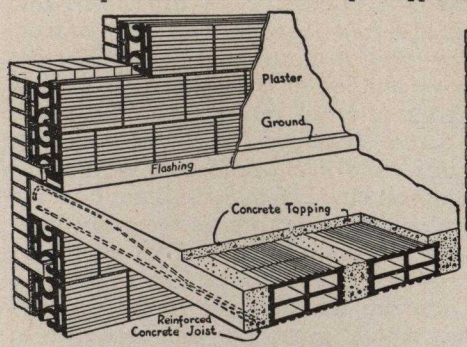
Where brick exterior facing is preferred, we offer our Speed-A-Backer backing up tile, in either unscored finish or scored for plaster. These blocks are manufactured in 6, 8 and 12-inch thicknesses for use with brick facing in 10, 12 and 16-inch load-bearing masonry walls. Suitable closure tile are furnished so that masonry piers can be built into these walls satisfactorily. This construction has been used very extensively in housing, commercial and industrial projects of all kinds.



Interior Brick Corner Detail,
12" Wall

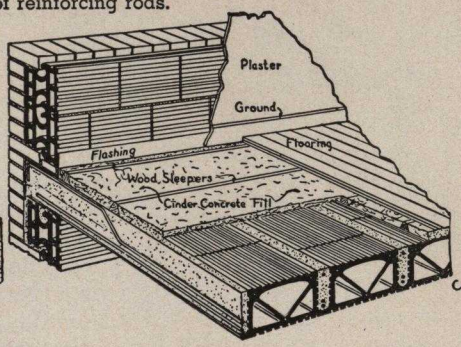
NATCO STRUCTURAL CLAY TILE IN LONG SPAN FLOORS

In the long span structural clay tile floors illustrated on this page, a minimum amount of steel is required for floor construction, where ordinary loads are to be carried. When either of these floors are combined with loadbearing walls of Natco Structural Clay Tile, there is assurance that there will be no delays so far as wall and floor materials are concerned. The steel for any of these floors is the simplest type of reinforcing rods.



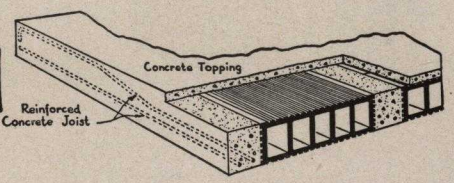
Natco Combination Floors

In Natco Long Span Combination Tile and Concrete Floors, simple 12 x 12-inch structural clay tile of the proper thickness are used for fillers between the reinforced concrete joists.



Natcoflor Long Span Floor System

Natcoflor Long Span Floor is a combination of special shaped Natco Structural Clay Tile with 2-inch wide cement grout joists or ribs spaced 13 inches center to center between the tile.

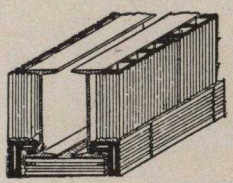


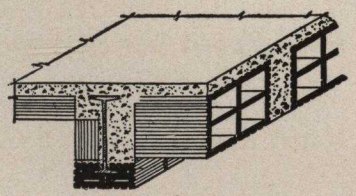
Natco Wide Center Combination Floors

Natco Wide Center Joist Floors use a special Natco floor tile filler, 20 inches in width in varying thicknesses, with reinforced concrete joists. Also furnished in 16 inch widths.

Specific Information Furnished

Complete information as to cost, engineering data and design of any of the floor systems described above will be gladly furnished on request.





Natco Beam, Girder and Column Covering

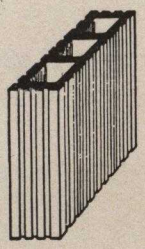
The purpose of beam, girder and column covering is to place a protection against fire over the structural steel frame of buildings, and to provide a surface on which to plaster. This goes under the general name of "Fireproofing of Steel."

Natco Structural Clay Tile protection saves from 50 to 75 per cent in weight over concrete or brick covering with definite savings in cost.

Speed and low cost of erection is assured in that no forms are required. The all-tile exterior surface is an excellent base for plaster and only two coats of plaster are required. With good cement mortar filling the space between the tile and the steel, the tile covering also preserves the steel from rust and corrosion.

NATCO NON-LOADBEARING TILE IN ALL WALL THICKNESSES

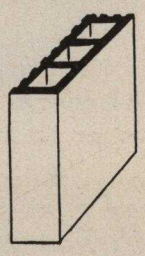
Natco Scored Non-Loadbearing Tile



4" x 12" x 12" Natco Scored Non-Loadbearing Tile

For clay tile partitions and interior walls, Natco Non-Loadbearing Tile are light, strong, easily handled by bricklayers and resist the passage of heat, cold and sound. They are furnished scored for plaster in 2, 3, 4, 6, 8, 10 and 12-inch thicknesses with a standard 12 x 12-inch face.

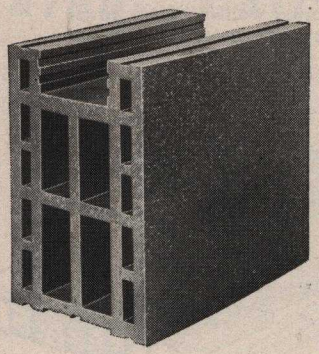
Natco Unscored Non-Loadbearing Tile



4" x 12" x 12" Natco Unscored Non-Loadbearing Tile

Natco Unscored Non-Loadbearing Tile are made smooth on either one or two faces, as desired. The unscored interior surfaces of the tile walls make them very desirable for warehouses, industrial plants, elevator shafts and similar applications where an exposed or painted surface is required. Standard thicknesses are 3, 4, 6 and 8 inches with a standard 12 x 12-inch face.

NATCO GLAZED SEGMENTILE FOR CIRCULAR STORAGE BINS



8" x 12" x 12" Natco Glazed Segmentile

Four Coal Storage Bins of Natco Glazed Segmentile in Pensauken Township, New Jersey.

Storage bins of Natco Glazed Segmentile require the simplest type of reinforcing steel and are economical to erect. They are strong and enduring, are free from repairs, are reasonable in first cost, are attractive, and will withstand heavy sudden or continuous stresses or strains, both internal or external for many years to come. Units are 12x12 inch face size and are furnished in 6 and 8-inch wall thicknesses. Storage bins of 6-inch Segmentile have been standard for many years for grain bins, ash bins, coal pockets, trickling filter tanks and as covering for gasoline tanks. The 8-inch Segmentile fills the demand for larger storage structures, which must be reinforced to a greater extent in order to meet more stringent requirements for larger and higher walls.

Other Natco Clay Products and their Fields of Use

Natco Salt Glazed Silo Tile, no hoops to tighten, no painting, no repairs. A Natco Silo preserves silage perfectly with no future upkeep expense.

Natco Flue Lining for home fire prevention.

Natco Unifilter Block for Trickling Filter Beds of Sewage Disposal Plants, by reason of their light weight and single unit feature, are rapidly and economically installed. Their design and structural strength insures low future costs for maintenance and repairs.

Natco Clay Conduit for housing and safeguarding the wires and cables of telephone, telegraph and power companies.

Natco Drain Tile for farm drainage.

Natco Refractory Fire Clay Stove and Furnace Liners of flint and plastic clays are extensively used in coal stoves and warm air heating furnaces.

Natco Common and Face Brick for residential, industrial and commercial buildings.

Natco Flat Arch Floor Systems, the all-tile floor system that has been time-tested.

Natco Speed Tile for load bearing wall construction.

Natco Bakup Tile for backing brick walls.

Plants are Strategically Located

All Natco clay plants are located close to the principal markets of the country in order to serve them promptly and efficiently. Wherever possible, orders are placed with those plants best located to take advantage of every opportunity for time saving and economy.

Write for Prices and Full Information

In order to find out the cost together with information as to how you can use Natco Clay Products to the best advantage, get in touch with our nearest branch sales office or contact us direct at our general offices in Pittsburgh. You will find us ready and eager to serve you at all times.

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